



5th CINT Users Workshop
Hotel Albuquerque at Old Town
Albuquerque, NM
January 16-17, 2007
Agenda

Monday Evening, January 15, 2007

Hotel Albuquerque, Franciscan Room

7-9 Registration & Reception

Tuesday Morning, January 16, 2007

Hotel Albuquerque, Alvarado D&E

Julia Phillips, Chair

7:30 Continental Breakfast and Registration

East Atrium

8:15 Welcome – Julia Phillips, CINT Director

8:30 Plenary Speaker: Naomi Halas, Rice University
Nanophotonics: The Next Big Thing

9:30 CINT Status Overview – Toni Taylor, CINT Associate Director

10:00 Coffee Break

East Atrium

10:20 CINT Science Thrusts & Integration Challenges – Tom Picraux, CINT Chief Scientist

10:45 Breakout Sessions I: *CINT Science Thrusts*

Nanoscale Electronics, Mechanics & Systems – Mike Lilly & Mike Nastasi

Alvarado D&E

Soft, Biological and Composite Nanomaterials – Andy Shreve & Bruce Bunker

Alvarado A

Nanophotonics and Optical Nanomaterials – Victor Klimov & Aaron Gin

Alvarado B

Theory and Simulation of Nanoscale Phenomena – Mark Stevens & Sasha Balatsky

Alvarado C

12:15 Lunch

Franciscan Room

Tuesday Afternoon, January 16, 2007

1:30 Breakout Sessions II:

Social and Policy Issues in Nanotechnology – Erik Fisher, Center for Nanotechnology in Society, Arizona State University

Alvarado D&E

Microfluidics Discovery Platform – Nelson Bell

Alvarado A

Transport Discovery Platform – Mike Lilly

Alvarado B

Cantilever Array Discovery Platform – John Sullivan

Alvarado C

- 3:00 User Science Posters & CINT Expo – Poster viewing & discussion
North & East Atrium
- 5:45 Buses Depart for Dinner (*or 10 minute walk from hotel*)
Hotel Lobby
- 6:00 Workshop Dinner
The Albuquerque Museum
- 10:00 Buses return to hotel

Wednesday Morning, January 17, 2007

Hotel Albuquerque, Alvarado D&E

User Meeting

Toni Taylor, Chair

- 7:30 Continental Breakfast
East Atrium
- 8:30 Plenary Speaker: Max Lagally, University of Wisconsin
Semiconductor Nanomembrane Science
- 9:30 Lloyd Bumm, University of Oklahoma
Broadband Near-Field Interference Spectroscopy of Flat Gold Nanoparticles
- 9:50 Sae Woo Nam, NIST/Boulder
Superconducting Nanowire Photodetectors for Quantum Information Applications
- 10:10 Break
- 10:30 James Kushmerick, NIST/Gaithersburg
Fabricating and Measuring Molecular Electronic Devices
- 10:50 Thomas Devereaux, University of Waterloo, Ontario
Possible Origins of Nanoscale Inhomogeneity in Cuprate High Temperature Superconductors
- 11:15 User Program Update, Q&A
Neal Shinn, CINT User Program Manager
Sankar Das Sarma, University of Maryland, User Executive Committee Chair
- 11:45 Box Lunch – Informal discussions
Weavers Room

Wednesday Afternoon, January 17, 2007

- 1:00 Buses depart for CINT Core Facility Tour (Albuquerque, NM)
- 2:30 Buses return to hotel and airport